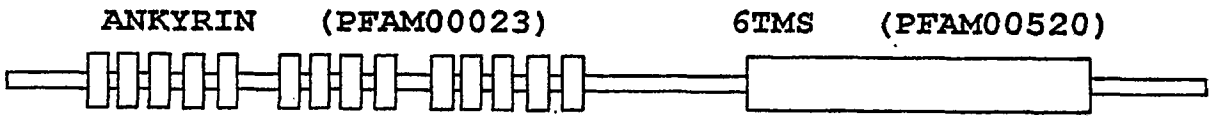

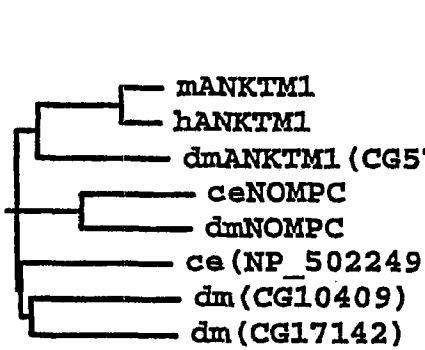

	#ANKYRINs	Identity to mANKTM	Conserved to mANKTM
mANKTM1	14	100%	100%
hANKTM1	14	80%	89%
dmANKTM1(CG5751)	13	32%	52%
ceNOMPC	29	27%	45%
dmNOMPC	29	25%	40%
ce(NP_502249)	17	24%	42%
dm(CG10409)	9	23%	40%
dm(CG17142)	9	25%	42%

FIG. 1A

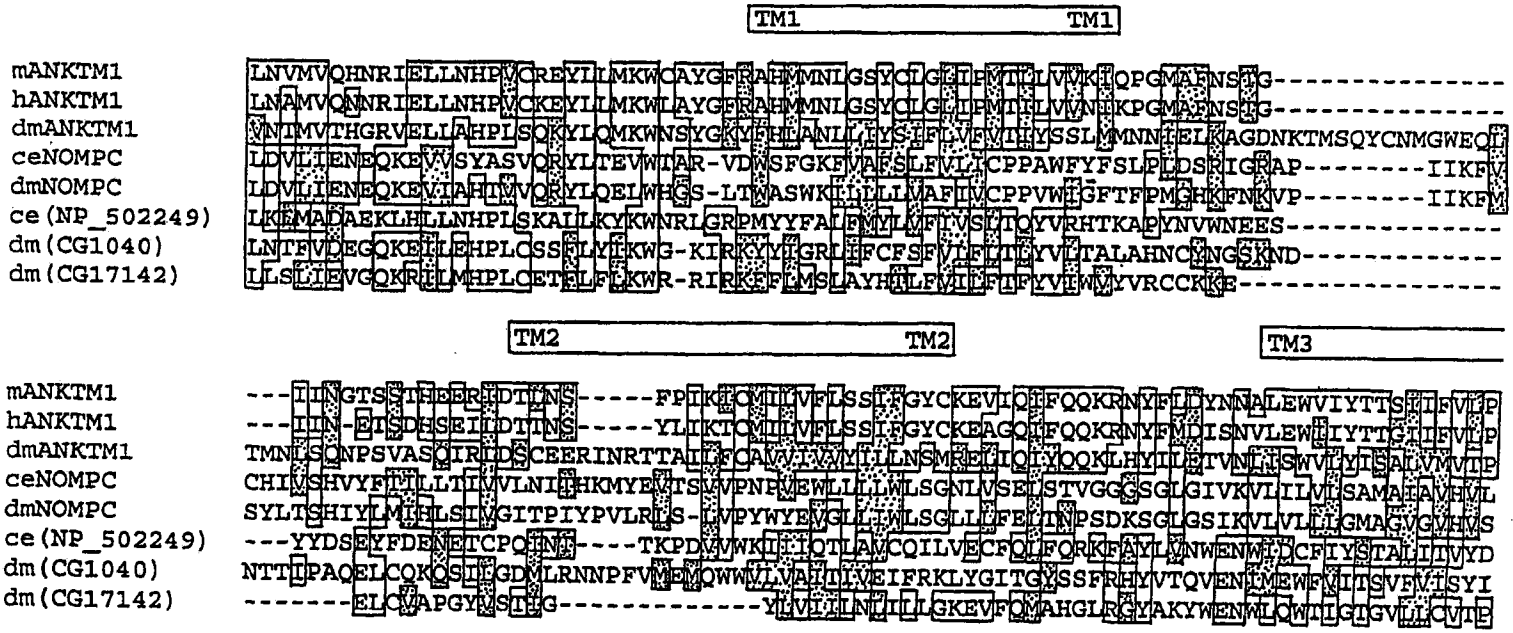

FIG. 1B

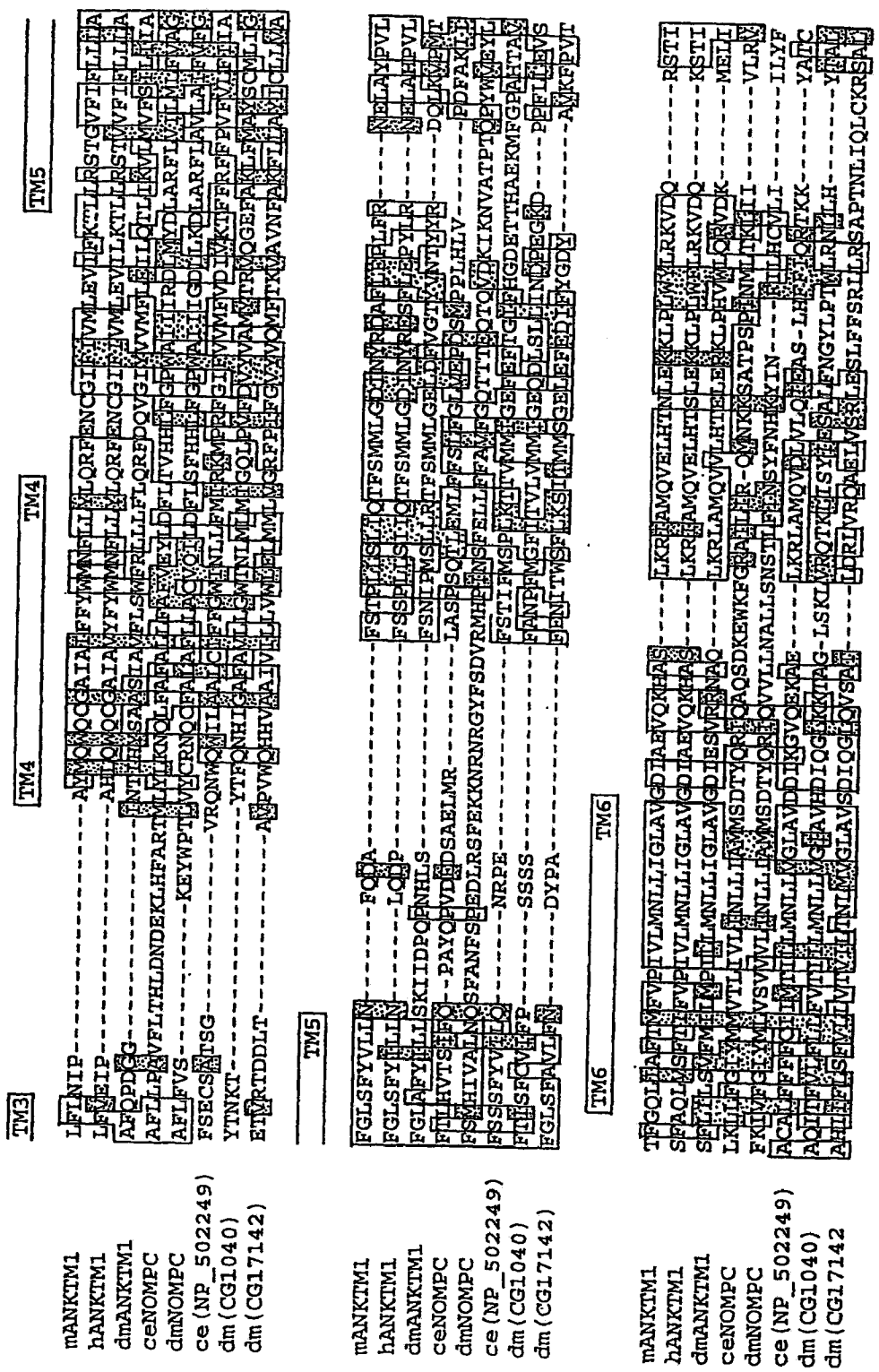
TM3
TM4
TM4
TM5
TM5
TM6
TM6
mANKTM1
hANKTM1
dmANKTM1
ceNOMPC
dmNOMPC
ce(NP_502249)
dm(CG1040)
dm(CG17142)

FIG. 1C

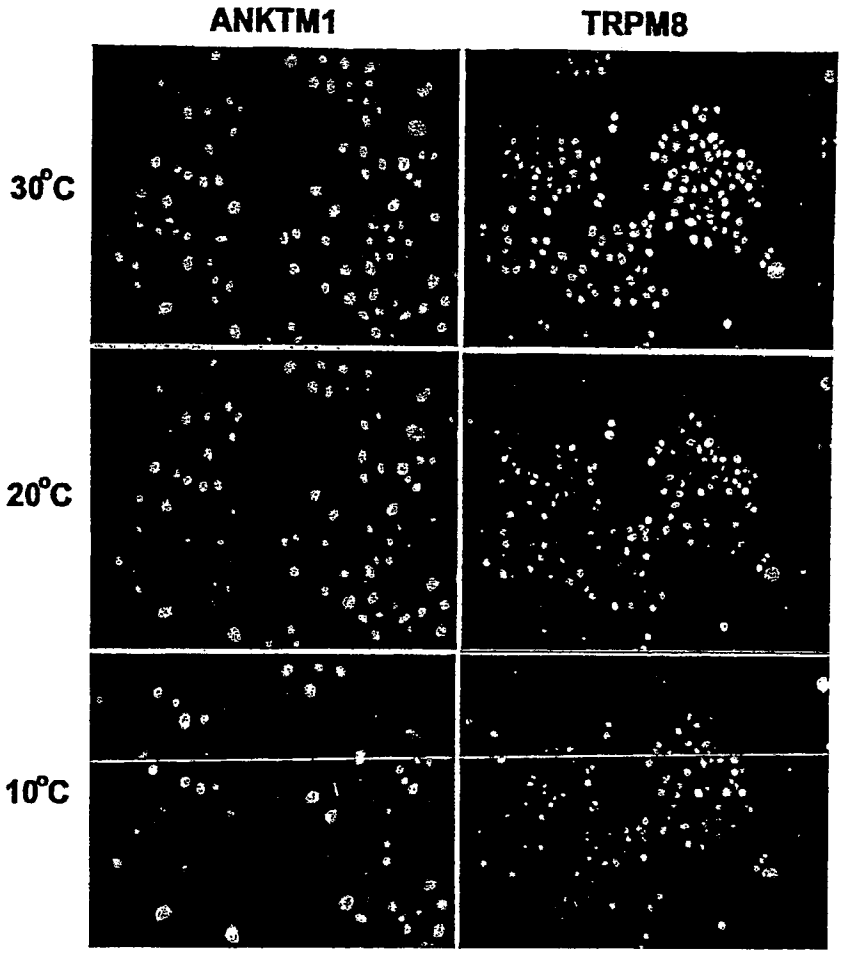
ANKTM1
TRPM8
30°C
20°C
10°C

FIG. 5A

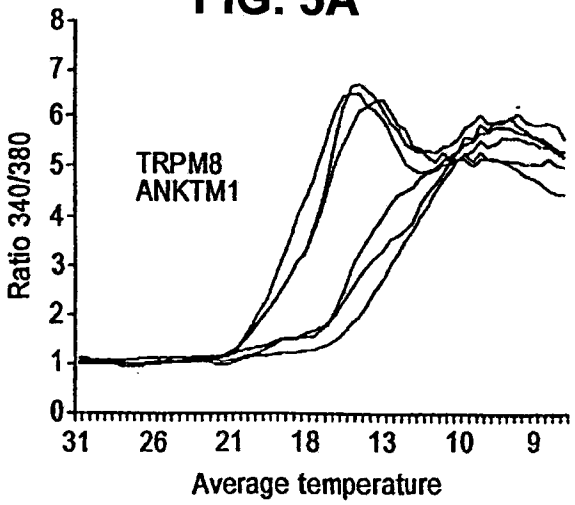
Ratio 340/380
TRPM8
ANKTM1
0
1
2
3
4
5
6
7
8
31
26
21
18
13
10
9
Average temperature

FIG. 5B

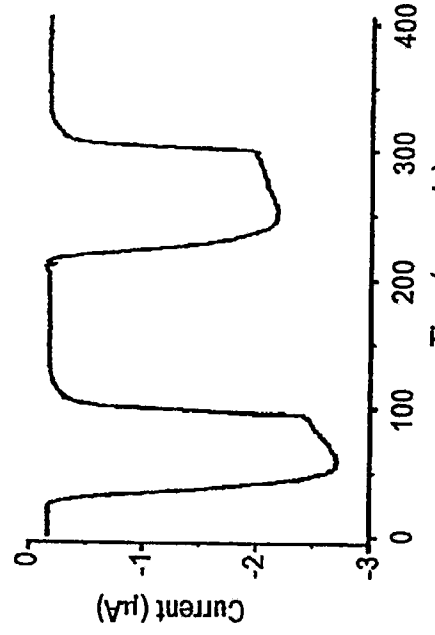

FIG. 7A

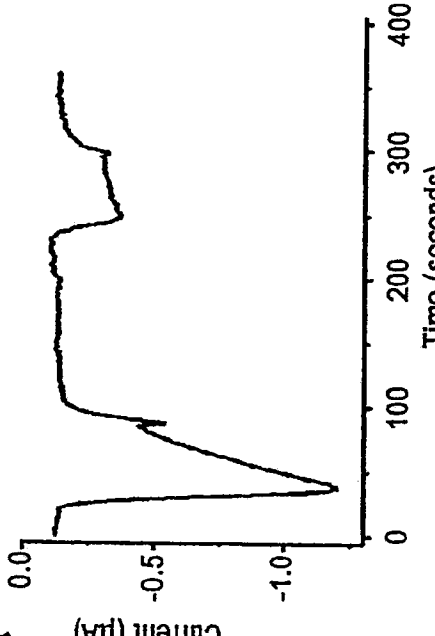

FIG. 7B

FIG. 7C

FIG. 7D